

Callable Routines

The following is a list of supported entry points into routines belonging to the DHCP HL7 package. These entry points should be used by individual DHCP packages using the V. 1.6 interface method. For each entry point listed, the following information is provided:

- Entry point name and description
- Required/optional input parameters
- Output parameters, if applicable

CREATE^HLTF(HLMID,MTIEN,HLDT,HLDT1)

If a batch of HL7 messages (more than one) is to be created, the application processing routine should invoke this entry point to obtain a message ID for the message being sent, and to create an entry in the MESSAGE TEXT file (#772).

Required Input Parameters: HLDT, HLDT1, HLMID, MTIEN
(These parameters must be passed by reference.)

Output Parameters: All of the above input variables are returned as output variables.

GENACK^HLMA1(HLEID,HLMTIENS,HLEIDS,HLARYTYP,HLFORMAT, HLRESLTA,HLMTIENA,HP)

After the MSH segment is created, the application processing routine should invoke this entry point to send the acknowledgment message, then quit to pass control back to the DHCP HL7 package. If the call to GENACK is successful, the HLRESLTA parameter will be returned equal to the message ID assigned to the message that was created. If the call was not successful, the HLRESLTA parameter will be returned with the following three pieces of data: message ID (or 0 if no message ID was assigned)^error code^error message.

Required Input Parameters: HLEID, HLMTIENS, HLEIDS, HLARYTYP, HLFORMAT, HLRESLTA, HLMTIENA, HLP
(HLRESLTA must be passed by reference.)

Optional Input Parameters: HLMTIENA, HLP("PRIORITY"), HLP("SECURITY ")

Output Parameters: HLRESLTA

Callable Routines, cont.

GENERATE^HLMA(HLEID,HLARYTYP,HLFORMAT,HLRESLT,HLMTIEN,HLP)

When this entry point is invoked, it loads the data in the HLA("HLS") local array or the ^TMP("HLS") global array into the MESSAGE TEXT file (#772), and the entry in the MESSAGE TEXT file (#772) is completed. The message is then delivered to the subscribers to the event driver protocol specified in the PROTOCOL file (#101). If the call to GENERATE^HLMA is successful, the HLRESLT parameter will be returned equal to the message ID assigned to the message that was created. If the call was not successful, the HLRESLT parameter will be returned with the following three pieces of data: message ID (or 0 if no message ID was assigned)^error code^error message.

Required Input Parameters: HLEID, HLARYTYP, HLFORMAT, HLRESLT
(HLRESLT must be passed by reference.)

Optional Input Parameters: HLMTIEN, HLP("PRIORITY"), HLP("SECURITY"),
 HLP("CONTPTR")

Output Parameters: HLRESLT

INIT^HLFNC2(EID,HL,INT)

To transmit HL7 messages, the DHCP application must develop a M routine (or, optionally, an entry point in a routine) for each type of HL7 message it will be sending. (Please refer to Appendix B for a list of supported HL7 message types.) The M routine should invoke this subroutine entry point to initialize variables needed to build an HL7 message for transmission to the receiving application.

Input Parameters: EID, HL
(HL must be passed by reference.)

Optional Input Parameters INT

Output Parameters: HL("ACAT"), HL("APAT"), HL("CC"), HL("ECH"),
 HL("ETN"), HL("FS"), HL("MTN")HL("PID"), HL("Q"),
 HL("SAN"), HL("SAF"), HL("VER")